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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/707,386	11/07/2000	Jack D. Pippin	423901674C2D2	9388
22850	7590	06/29/2005	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			LUU, CHUONG A	
			ART UNIT	PAPER NUMBER
			2818	
DATE MAILED: 06/29/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/707,386

Applicant(s)

PIPPIN, JACK D.

Examiner

Chuong A. Luu

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on April 6, 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4/6/2005.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-19 have been considered but are moot in view of the new ground(s) of rejection.

PRIOR ART REJECTIONS

Statutory Basis

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

The Rejections

Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Cameron (U.S. 6,094,026).

Cameron discloses an integrated circuit device with

Respect to claims:

(1); (12) a fail safe sensor; halt logic to halt operation of the integrated circuit in response to the fail safe sensor indicating that a threshold temperature has been exceeded (see column 1, lines 51-67; column 2, lines 1-46);

(2); (13) wherein the threshold temperature is a predetermined fixed critical temperature (see column 2, lines 1-46);

(3); (14) wherein the halt logic is to inhibit operation of the integrated circuit by stopping a clock for the integrated circuit (see column 2, lines 1-46);

(4); (15) wherein the halt logic protects the integrated circuit without software control (see column 2, lines 1-46);

(5) a plurality of thermal sensors placed across the integrated circuit; an averaging mechanism in communication with the fail-safe sensor to calculate an average temperature from the plurality of thermal sensors (see column 2, lines 1-67);

(6) further comprising clock adjustment logic in communication with the fail-safe sensor to control temperature of the integrated circuit by increasing and decreasing a clock frequency of the integrated circuit (see column 2, lines 1-46);

(7) further comprising clock adjustment logic in communication with the fail-safe sensor to execute instructions to provide closed loop control of the integrated circuit

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clock frequency, thereby automatically reducing the temperature when overheating occurs (see column 2, lines 1-46);

(8) further comprising clock adjustment logic in communication with the fail-safe sensor to decrease a clock frequency of the integrated circuit in response to the fail-safe sensor indicating that a threshold temperature value has been exceeded (see column 2, lines 1-46);

(9) further comprising threshold adjustment logic in communication with the fail-safe sensor to increase the threshold temperature value to a new threshold temperature value in response to the fail-safe sensor indicating that the threshold temperature value has been exceeded (see column 2, lines 1-46);

(10) wherein the threshold adjustment logic is further to lower the new threshold temperature to detect decreases in temperature (see column 2, lines 1-46);

(11) further comprising an interrupt handler to display information regarding a temperature sensed by the fail-safe sensor to a user of the integrated circuit (see column 2, lines 1-46);

(16) further comprising controlling the temperature of the integrated circuit by increasing and decreasing a clock frequency of the integrated circuit in response to the sensed temperature (see c column 2, lines 1-46);

(17) further comprising executing instructions to provide closed loop control of the integrated circuit clock frequency in response to the sensed temperature (see column 2, lines 1-46);

(18) further comprising decreasing a clock frequency of the integrated circuit in response to the sensed temperature indicating that a threshold temperature value has been exceeded (see column 2, lines 1-46);

(19) further comprising displaying information regarding a sensed temperature to a user of the integrated circuit (see c column 2, lines 1-46).

Conclusion

Applicant's submission of an information disclosure statement under 37 CFR 1.97(c) with the fee set forth in 37 CFR 1.17(p) on April 6, 2004 prompted the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 609(B)(2)(i). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong A. Luu whose telephone number is (571) 272-1902. The examiner can normally be reached on M-F (6:15-2:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CALuu
June 15, 2005


David Nelms
Supervisory Patent Examiner
Technology Center 2800